

Monoclonal Antibody to CD34 Class II - PE

Alternate names:	Hematopoietic progenitor cell antigen CD34, Hematopoietic progenitor cell marker
Catalog No.:	SM1095RT
Quantity:	25 Tests
Background:	CD34 is a single chain transmembrane glycoprotein of 105 - 120kD. Expressed on haemopoietic cells, including bone marrow and blood. It is expressed on the majority of cells in acute lymphoid leukaemia (ALL) as well as cells in acute myelogenous leukaemia (AML). It is also found on capillary endothelial cells. There are three classes of CD34 epitopes defined by differential sensitivity to enzymatic cleavage with glycoprotease from <i>Pasteurella haemolytica</i> and with neuraminidase.
Uniprot ID:	P28906
NCBI:	NP_001020280.1
GeneID:	947
Host / Isotype:	Mouse / IgG1
Clone:	QBEND/10
Immunogen:	Human endothelial vesicles. Spleen cells from immunised NZB mice fused with cells of the NSO mouse myeloma cell line.
Format:	State: Lyophilized purified IgG fraction. Purification: Affinity chromatography on Protein A Buffer System: PBS containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer. Label: PE – R. Phycoerythrin (RPE) Reconstitution: Restore with distilled water
Applications:	Flow Cytometry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises the CD34 antigen. QBEND/10 specifically recognises a class II epitope. Species: Human, Cynomolgus Monkey and Rhesus Monkey. Other species not tested.
Storage:	Prior to and following reconstitution store the antibody undiluted at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light. Shelf life: one year from despatch.
General References:	1. Sopper, S. et al. (1997) Lymphocyte subsets and expression of differentiation markers in blood and lymphoid organs of Rhesus monkey. <i>Cytometry</i> 29: 351-362.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com

2. Yoshino, N. et al. (2000) Upgrading of flow cytometric analysis for absolute counts, cytokines and other antigenic molecules of Cynomolgus monkeys (*Macaca fascicularis*) by using anti-human cross-reactive antibodies. *Exp. Anim.* 49: 97-110.

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